

WHAT IS CLAIMED IS:

1. A method of manufacturing an opto-electronic module having an opto-electronic unit for generating a light beam and a receptacle for attachment of an optical fiber cable into which the light beam is optically coupled, comprising forming an indentation in the receptacle;
holding the receptacle in a first fixture having a projecting lip fitting into the indentation;
holding the opto-electronic unit in a second fixture;
optically aligning the opto-electronic unit with the receptacle; and
fastening the receptacle to the opto-electronic unit by welding, the projecting lip of the first fixture preventing the receptacle from moving toward the opto-electronic unit during said welding.
2. The method of claim 1, wherein the projecting lip of the first fixture is trapezoidal.
3. The method of claim 1, wherein the projecting lip of the first fixture is rectangular.
4. The method of claim 1, wherein the indentation in the receptacle has a reverse taper shape.
5. The method of claim 1, wherein the indentation in the receptacle has a rectangular shape.
6. The method of claim 1, wherein the fastening of the receptacle to the opto-electronic unit is carried out by:
welding the receptacle to a sleeve; and
welding the sleeve to the opto-electronic unit.

7. The method of claim 1, wherein the fastening of the receptacle to the opto-electronic unit is carried out by laser spot welding.

8. The method of claim 1, wherein the opto-electronic module is a coaxial laser diode module.